

| Ref # | Hits  | Search Query                                             | DBs                                                | Default Operator | Plurals | Time Stamp       |
|-------|-------|----------------------------------------------------------|----------------------------------------------------|------------------|---------|------------------|
|       |       | S11 AND S\$                                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/08/30 13:36 |
| S1    | 2     | ("5912839").PN.                                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/08/30 13:34 |
| S2    | 2     | ("6141241").PN.                                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/08/29 12:58 |
| S3    | 586   | stanford ovshinsky.in.                                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2005/08/29 13:16 |
| S4    | 182   | 365/163.ccis.                                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/08/30 14:42 |
| S5    | 70079 | secur\$3 ADJ (device OR element)                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/08/29 13:51 |
| S6    | 355   | ("phase change" OR phase-change) ADJ (device OR element) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/08/29 14:06 |
| S7    | 2     | S5 AND S6                                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/08/29 13:52 |

|     |      |                                                                         |                                                                   |    |    |                  |
|-----|------|-------------------------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S8  | 5710 | ("phase change" OR phase-change)<br>ADJ (device OR element OR material) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 14:06 |
| S9  | 16   | S5 AND S8                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 14:06 |
| S10 | 3016 | transistor AND ("phase change"<br>phase-change) AND parallel            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 13:35 |
| S11 | 91   | transistor SAME ("phase change"<br>phase-change) SAME parallel          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:31 |
| S12 | 183  | 365/163.ccls.                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 13:36 |
| S13 | 5    | S11 AND S12                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 13:36 |
| S14 | 470  | resist\$4 SAME ("phase change"<br>phase-change) SAME parallel           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:31 |
| S15 | 478  | transistor SAME amorphous SAME<br>parallel                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:23 |

|     |      |                                                       |                                                                   |    |    |                  |
|-----|------|-------------------------------------------------------|-------------------------------------------------------------------|----|----|------------------|
| S16 | 4    | S12 AND S15                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:14 |
| S17 | 789  | resist\$4 SAME amorphous SAME parallel                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:16 |
| S18 | 3    | S12 AND S17                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:17 |
| S19 | 5002 | transistor SAME (register OR weight\$3) SAME parallel | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:29 |
| S20 | 3561 | transistor SAME register SAME parallel                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:25 |
| S21 | 1609 | transistor SAME weight\$3 SAME parallel               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:27 |
| S22 | 1    | S12 AND (S20 OR S21)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:26 |
| S23 | 1    | S19 SAME ("phase chang\$3" phase-chang\$3)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 14:30 |

|     |     |                                                                          |                                                    |    |     |                  |
|-----|-----|--------------------------------------------------------------------------|----------------------------------------------------|----|-----|------------------|
| S24 | 13  | transistor SAME ("phase chang\$3" phase-chang\$3) SAME parallel          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/30 14:31 |
| S25 | 46  | resist\$4 SAME ("phase chang\$3" phase-chang\$3) SAME parallel           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/08/30 14:31 |
| S26 | 2   | ("20020036931").PN.                                                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/30 14:42 |
| S27 | 1   | ("multi terminal" multi-terminal) ADJ ("phase chang\$3" phase-chang\$3)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/09/01 16:28 |
| S28 | 1   | ("multi terminal" multi-terminal) SAME ("phase chang\$3" phase-chang\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/09/01 16:29 |
| S29 | 3   | ("6480438"   "6590907"   "6707712").PN.                                  | US-PGPUB; USPAT; USOCR                             | OR | ON  | 2005/09/02 09:29 |
| S30 | 0   | ("6862214").URPN.                                                        | USPAT                                              | OR | ON  | 2005/09/02 09:32 |
| S31 | 173 | terminal SAME ("phase chang\$3" phase-chang\$3)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/09/06 16:24 |
| S32 | 77  | ("phase chang\$3" phase-chang\$3) SAME register                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/09/02 13:29 |
| S33 | 10  | ("three terminal" three-terminal) SAME ("phase chang\$3" phase-chang\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/09/06 16:32 |

|     |        |                                                                    |                                                                   |    |     |                  |
|-----|--------|--------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S34 | 84     | ("three terminal" three-terminal)<br>SAME amorphous                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/06 16:32 |
| S35 | 108    | ("three terminal" three-terminal)<br>SAME ("memory device")        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/07 16:33 |
| S36 | 2      | ("6750469").PN.                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/07 15:41 |
| S37 | 26058  | resistance SAME (crystalline off set)<br>SAME (amorphous on reset) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/07 16:58 |
| S38 | 480209 | resistance SAME (crystalline off set)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/07 16:58 |
| S39 | 4756   | register SAME encrypt\$3                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/08 14:33 |
| S40 | 1226   | register SAME encrypt\$3 SAME<br>memory                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/08 14:33 |
| S41 | 230    | 257/2.ccis.                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/09 10:42 |